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| 2003-767167/72 A97 G02 (A25 A82) BADI 2002.02.01 BASF AG *WO 2003064540-A1 2002.02.01 2002-1004304(+2002DE-1004304) (2003.08.07) C09B 67/04, 67/06, 67/20, C09C 3/04, 3/10 | A(5-H1B, 12-W11H) G(2-A3A) |
| <p>A pigment granulate containing a pigment (A) and nonionic surface active additive (B) based on polyethers useful for coloring paints, printing inks, building materials, and cellulose containing systems (Ger)</p> <p>C2003-210657 N(AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW) R(AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT SD SE SI SK SL SZ TR TZ UG ZM ZW)</p> <p>Addnl. Data: REISACHER H, GONZALEZ GOMEZ J A 2003.01.22 2003WO-EP00591</p> | <p>BET-surface of $\leq 15\text{m}^2/\text{g}$ containing as essential components: (A) 60-90 wt % of pigment; and (B) 10-40 wt % of nonionic surface active additive based on polyethers.</p> <p><u>DETAILED DESCRIPTION</u> An INDEPENDENT CLAIM is included for a method of preparing the granulate by first subjecting at least part of an aqueous suspension containing additive (B) to wet comminution followed by spray granulation of the suspension, optionally with addition of the remainder of additive (B).</p> <p><u>USE</u> The PG is used to color paints, printing inks, building materials, and cellulose containing systems, which are contained in a liquid water phase, an organic solvent, or mixtures of water and organic solvent (claimed), and for coloring high molecular organic and inorganic materials.</p> |
| <u>NOVELTY</u> A pigment granulate of mean particle size 50-5000 micron and a | WO 2003064540-A+ |

ADVANTAGE

The PG has outstanding coloring properties, especially in color strength, brilliance, and covering powder, and in stir-in behavior.

EXAMPLE

A nonionic additive B contained (wt %): a block copolymer B1 based on ethylene diamine/propylene oxide/ethylene oxide (EO) of ethylene oxide content 40 and mean M_n value 12000, or EO 40, M_n 6700, or EO 50, and M_n 6500.

TECHNOLOGY FOCUS

Polymers - Preferred Components: the pigment granulate (PG) contains an alkylene oxide block copolymer or an alkylene oxide adduct to an amine or alcohol as component B.

The PG contains as component B a block copolymer, which is obtained via sequential polyaddition of propylene oxide and ethylene oxide to at least a bifunctional amine or alcohol.
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